

Table S1. Mutations identified by genome sequencing of recombinant Cedar virus chimeras.

Virus	Total # of changes	Non coding mutations				Coding mutations			
		Location		base pair (bp) change	amino acid (aa) change	Location (aa)	Protein	base pair (bp) change	amino acid (aa) change
rCedV-NiV-B	4					445	N	<u>A</u> GC- <u>G</u> GC	Ser-Gly
						296	M	<u>A</u> GG- <u>G</u> GG	Arg-Gly
						885	L	<u>C</u> AA- <u>C</u> GA	Gln-Arg
						2379	L	<u>T</u> TT- <u>T</u> CT	Phe-Ser
rCedV-NiV-B-GFP	8	bp 7	3' Le	C-A	N/A	442	N	<u>A</u> TA- <u>A</u> CA	Ile-Thr
		aa 507	N protein	<u>GAT</u> - <u>GAC</u>	Asp-Asp	505	N	<u>T</u> TC- <u>C</u> TC	Phe-Leu
		bp 1866	N stop IGR	T-C	N/A				
		bp 1867	N stop IGR	T-C	N/A				
		bp 1915	N stop IGR	T-C	N/A				
		aa 1528	L protein	<u>TCA</u> - <u>TCG</u>	Ser-Ser				
rCedV-NiV-B-Luc	9	bp 7	3' Le	C-A	N/A	441	N	<u>T</u> CA- <u>C</u> CA	Ser-Pro
		bp 1737	N stop IGR	T-C	N/A	231	Luc	<u>C</u> AG- <u>C</u> CG	Gln-Pro
		bp 1742	N stop IGR	T-C	N/A	25	M	<u>G</u> AA- <u>A</u> AA	Glu-Lys
		bp 1783	N stop IGR	T-C	N/A	2109	L	<u>A</u> AA- <u>G</u> AA	Lys-Glu
		bp 1894	N stop IGR	T-C	N/A				
rCedV-HeV	2	bp 1755	N stop IGR	C-A	N/A	546	F	<u>A</u> CA- <u>A</u> TA	Thr-Ile
rCedV-HeV-GFP	3	bp 20	3' Le	G-A	N/A	445	N	<u>A</u> GC- <u>G</u> GC	Ser-Gly
						245	M	<u>A</u> TG- <u>C</u> TG	Met-Leu
rCedV-HeV-Luc	5	bp 2	3' Le	C-T	N/A				
		bp 3	3' Le	C-T	N/A				
		bp 4	3' Le	A-T	N/A				
		bp 7	3' Le	C-A	N/A				
		bp 19767	5' Tr	A-T	N/A				

Abbreviations: rCedV-NiV-B, recombinant Cedar virus with the fusion and attachment glycoproteins replaced with those of Nipah virus Bangladesh; rCedV-HeV, recombinant Cedar virus with the fusion and attachment glycoproteins of Hendra virus; bp, base pair; aa, amino acid; 3' Le, 3' leader; N, nucleoprotein; GFP, green fluorescent protein; Luc, luciferase protein; M, matrix protein; F, fusion glycoprotein; L, polymerase protein; IGR, intergenic region; 5' Tr, 5' trailer; A, adenine; T, thymine; C, cytosine; G, guanine; Ser, serine; Gly, glycine; Arg, arginine; Gln, glutamine; Phe, phenylalanine; Ile, isoleucine; Thr, threonine; Leu, leucine; Pro, proline; Glu, glutamic acid; Lys, lysine; Met, methionine; Asp, aspartic acid; #, number; N/A, not applicable.